RC200
SPRAY VALVE

POLY DISPENSING SYSTEMS
SYSTEMES DE DOSAGE INDUSTRIEL

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Radial Coat Valve

Advantages

- A 360 ° coverage
- Fluid applicable only to the side walls of the cylinder
- Greater fluid transfer efficiency using centrifugal force
- Stainless steel body

RC200

The RC200 Radial Coat Valve sprays low viscosity fluids onto the inside walls of a cylinder to create a layer of coating.

It integrates PVA's front closing valve technology, to start and stop fluid flow, with an air motor to spin the coating nozzle. The nozzle rotation uses centrifugal force to accurately propel the fluid directly on to the cylinder walls in a 360° degree pattern.

Interchangeable coating nozzles allow a wide range of fluids to be used in various size cylinders. A simple controlled motion in the vertical axis can be performed to coat wider areas of a cylinder. Fluids that can be sprayed with this technology include water, solvents, and low viscosity lubricants.

The RC200 has many integrated features including:

- 360° of coating coverage inside a cylinder
- Fluid applied only to side walls of cylinder, not the bottom as an atomizing spray head would
- Greater fluid transfer efficiency using centrifugal force to transfer coating without atomizing air
- Vertical motion required to coat length of cylinders
- Valves can be mounted on 0.75» centers for stacking multiple heads per industry standard
- Stainless Steel fluid body for superior material compatibility

Characteristics

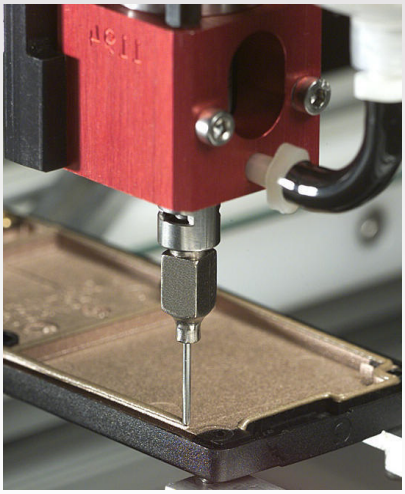
Dimensions	19 mm x 66 mm x 159 mm (0.75» x 2.60» x 6.25»)
Weight	566,2g 20 oz
Maximum Inlet Fluid Pressure	40 psi
Spray Pattern	Horizontal, 360° coverage
Transfer Efficiency	99%
Viscosity Range	1 cps – 1,000 cps
Operating Air Pressure	Valve: 80 psi Air Motor: 40-100 psi
Wetted Components	Stainless Steel, Teflon®, Kalrez®

NOZZLES CAN BE DESIGNED TO MEET SPECIFIC APPLICATIONS:

- Diameter of nozzle can be designed to fit different diameter cylinders
- Larger diameter nozzle can be used to increase amount of centrifugal force
- Length of nozzle can be designed to reach required depth into cylinder
- Nozzle orifice diameter can be designed to control coating thickness relative to fluid viscosity

SAMPLE APPLICATONS

- Apply a drug diluted in solvent to the inside of a syringe
- Apply a medical grade lubricant to the inside of a syringe before the piston is assembled
- Apply a solvent based conductive paint to the inside of tubes



PDS S.A.S is a french company that commercializes a wide range of dosage equipments, proven and effective.

Distributed in over 20 countries around the world, these equipements provide tailored solutions to many users in order to improve technically their manufacturing and reduce their productions costs.

Our collaborators and sales engineers all have a strong technical competences. They are able to answer your questions and offer you, after analysis, the right solution for your particular need.

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